Note: Categories/Materials/Products removed from previously posted versions of the QPL, will be identified in the Changes log with **Bold & Italicized lettering**; changes made to the QPL since the lastest posted version (2/8/2023) identified in **Red**.

| QPL Item # | Product Category                       | QPL Changes & QPL Effective Dates  | Changes to Special<br>Provisions, Std. Spec.<br>and/or Qualif. Criteria | Additional Notes   |
|------------|--|--|---|--|
| 401.A      | Warm Mix Asphalt Technology            | (8/4/2023) Added product:<br>Cargill Bioindustrial, Anova 1501   |   |  |
| 401.A      | Warm Mix Asphalt Technology            | (3/23/2020) Added 2 products: 1.) Collaborative Aggregates, LLC, Delta S 2.) Ingevity, Evotherm P25 WMA Technology |   |  |
| 401.A      | Warm Mix Asphalt Technology            | (1/2/2020) Removed product: PQ Corporation, Advera.  |   | Company states this product is no longer manufactured.   |
| 401.A      | Warm Mix Asphalt Technology            | (1/2/2020) Removed product: CHEMORAN, CWM.   |   | Company states this product is used internally only - no outside sales.  |
| 401.A      | Warm Mix Asphalt Technology            | (1/2/2020) Removed product: Nouryon, Rediset LQ.   |   | This product is not PPA modified binder compatible.  |
| 401.A      | Warm Mix Asphalt Technology            | (4/12/2019) Added WMA Technology:<br>Terex Roadbuilding, Terex WMA System.   |   |  |
| 401.B      | Asphalt Release Agent                  | (2/8/2023) Added a new QPL category:<br>Asphalt Release Agent  |   |  |
| 413.A      | Hot-Poured Crack Sealant, Type II      | (8/4/2023) Added product:<br>FPT Infrastructure, Greyseal 6690   |   |  |
| 413.A      | Hot Poured Crack Sealant, Type II      | (1/6/2021) Removed product:<br>Dalton Enterprises, Inc, Crack-Rite HP3405  |   | No test data rec'd. for review as required.  |
| 413.A      | Hot Poured Crack Sealant, Type II      | (1/6/2021) Manufacturer name change:<br>Crafco, Inc. was Right Pointe  |   |  |
| 413.B      | Hot Poured Crack Sealant, Type IV      | (1/6/2021) Removed product:<br>McAsphalt Industries, MACSEAL 6690-4  |   | No test data rec'd. for review as required.  |
| 413.A.B    | Hot-Poured Crack Sealant, Type II & IV | (5/22/2019) Expiration dates set to 1/1/2021.  |   | Lab testing rotation requirement is synced to product expiration date.   |
| 413.A      | Hot-Poured Crack Sealant, Type II      | (4/12/2019) Added product:<br>Right / Pointe, LLC, RP 3405   | QC & Std. Spec. were revised.   | Lab testing rotation requirement is synced to product expiration date.   |
| 510.A      | Driving Points for Steel Bearing Piles | (1/12/2022) Added product:<br>Construction Supply Company, HT 3314   |   |  |
| 510.A      | Driving Points for Steel Bearing Piles | (1/2/2020)<br>Changed manufacturer name to Assoc. Pile & Fitting Corp for "Super-Bite Par-T Series".               |   | Piling Accessories, Inc. was a subsection of Assoc. Pile & Fitting Corp. that no longer exists, still manufactured by same company according to company contact $6/28/2019$ ~rgb |
| 520.A      | Rapid-Hardening Patching Material      | (8/4/2023) Product name change only:<br>Phoscrete Corp., Phoscrete Formula 1-HC<br>(f/k/a Phoscrete HC)            |   |  |

| 520.A | Rapid-Hardening Patching Material | (1/5/2023) Added product:<br>Dayton Superior Corp., DOT Rapid Repair   | <br>   |
|-------|-----------------------------------|--|--|
| 520.A | Rapid-Hardening Patching Material | (1/5/2023) Removed product:<br>Sika Corporation, SikaQuick 2500  | <br>   |
| 520.A | Rapid-Hardening Patching Material | <ul><li>(4/14/2022) Added 3 Products:</li><li>1) Quikcrete, Rapid Road Repair CA</li><li>2) Quikcrete, Rapid Road Repair CA Extended</li><li>3) Quikcrete, CGFS DOT Mix Extended</li></ul> | <br>   |
| 520.A | Rapid-Hardening Patching Material | (1/12/2022) Added 3 Products: 1) Western Material & Design, FasTrac 246 2) The Euclid Chemical Company, Versaspeed 100 3) The Euclid Chemical Company, Euco Repair SCC Fast                | <br>   |
| 520.A | Rapid-Hardening Patching Material | (1/6/2021) Manufacturer name change:<br>Master Builders Solutions was BASF   | <br>   |
| 520.A | Rapid-Hardening Patching Material | (1/6/2021) Removed 3 products: 1) USG, Duracal Cement 2) Sika Corporation, SikaQuick VOH 3) Silpro LLC, SilproRepair VOH   | <br>1.) Duracal Cement product removed - per manufacturer request. 2.) SikaQuick VOH product removed - no test data for review. 3.) SilproRepair VOH product removed - didn't qualify. |
| 520.A | Rapid-Hardening Patching Material | (1/2/2020) Added 3 products: 1) Quickcrete, Rapid Road Repair (No. 1242-50 & 1242-51) 2) Quickcrete, Rapid Road Repair Extended (No. 1242-80) 3) SpecChem, LLC., RepCon VO                 | <br>   |
| 520.A | Rapid-Hardening Patching Material | (1/2/2020) Removed product:<br>SpecChem, LLC., RepCon 928  | <br>   |
| 520.A | Rapid-Hardening Patching Material | (5/22/2019) Added 2 products: 1) MAPEI Corporation, Planitop 18 TG 2) Kaufman Products, Inc., Duracrete II VOFT  | <br>   |
| 520.C | Air Entraining Admixtures         | (8/4/2023) Added product: The Euclid Chemical Company, Eucon Air Mac12   | <br>   |
| 520.C | Air Entraining Admixtures         | (8/4/2023) Product name changes only: 1) MAPEI Corp., Mapeair SA (f/k/a Polychem SA) 2) MAPEI Corp., Mapeair SA 50 (f/k/a Polychem SA 50) 3) MAPEI Corp., Mapeair VR (f/k/a Polychem VR)   | <br>   |
| 520.C | Air Entraining Admixtures         | (1/5/2023) Added product:<br>CHRYSO Inc., CHRYSO Air G 100   | <br>   |
| 520.C | Air Entraining Admixtures         | (1/12/2022) Added product:<br>MAPEl Corporation, Polychem VR   | <br>   |
| 520.C | Air Entraining Admixtures         | (1/6/2021) Manufacturer name change:<br>Master Builders Solutions was BASF   | <br>   |
| 520.C | Air Entraining Admixtures         | (3/23/2020) Added product:<br>MAPEI Corporation, Polychem SA-50  | <br>   |

| 520.C | Air Entraining Admixt.    | T  | Notification letter from Manufacturer Nov. 15, 2019 certifying name           |
|-------|---------------------------|--|---|
| 520.D | Water-Reducing Admixt.    | (1/2/2020) Manuf. Name Change:   | change only; formulation, etc. remain unchanged.                              |
| 520.F | Retarding Admixt.         | MAPEI Corporation was General Resources Technology   | <br>change only, formaliation, etc. remain anothinged.                        |
| 520.C | Air Entraining Admixtures | (1/2/2020) Added product:<br>BASF Corporation, MasterAir AE 400  | <br>  |
| 520.C | Air Entraining Admixtures | (5/22/2019) Added 4 products: 1) Fritz-Pak Corporation, Air Plus 2) Fritz-Pak Corporation, Super Air Plus 3) General Resources Technology, Polychem SA 4) Sika Corporation, SikaControl Air-160  | <br>  |
| 520.D | Water Reducing Admixtures | (8/4/2023) Added 2 products: 1) Sika Corporation, Sika ViscoCrete-1100 2) The Euclid Chemical Company, Eucon X-15  | <br>  |
| 520.D | Water Reducing Admixtures | (8/4/2023) Removed product:<br>MAPEI Corp., EVO 2500   | <br>  |
| 520.D | Water Reducing Admixtures | (8/4/2023) Product name changes only: 1) MAPEI Corp., Dynamon 850 (f/k/a Polychem 850) 2) MAPEI Corp., Mapefluid 441 (f/k/a Polychem 441) 3) MAPEI Corp., Mapeplast 400 NC (f/k/a Polychem 400 NC)   | <br>  |
| 520.D | Water Reducing Admixtures | (1/5/2023) Added 2 products:<br>1) CHRYSO Inc., CHRYSO Optima 249<br>2) CHRYSO Inc., CHRYSO Quad 842   | <br>  |
| 520.D | Water Reducing Admixtures | (7/20/2022) Added product:<br>Master Builders Solutions, Master X-Seed 66  | <br>  |
| 520.D | Water Reducing Admixtures | (4/14/2022) Added product:<br>GCP Applied Technologies, Zyla 630   | <br>  |
| 520.D | Water Reducing Admixtures | (4/14/2022) Removed product:<br>MAPEI Corporation, Mapeplast MR 107 Type A   | <br>Manufacturer sent letter on 3/23/2022 requesting this product be removed. |
| 520.D | Water Reducing Admixtures | (1/12/2022) Added 6 products: 1) MAPEI Corporation, Dynamon NRG 1092 Type F 2) MAPEI Corporation, Dynamon SX 3) MAPEI Corporation, Dynamon SX 37 4) MAPEI Corporation, Melchem 5) The Euclid Chemical Company, Plastol 6420 6) The Euclid Chemical Company, Plastol 6425 | <br>  |
| 520.D | Water Reducing Admixtures | (5/27/2021) Added product:<br>Sika Corporation, Sika ViscoCrete-2100   | <br>  |
| 520.D | Water Reducing Admixtures | (1/6/2021) Manufacturer name change:<br>Master Builders Solutions was BASF   | <br>  |
| 520.D | Water Reducing Admixtures | (3/23/2020) Added 3 products: 1) MAPEI Corporation, Polychem 441 2) MAPEI Corporation, KB 1200 3) MAPEI Corporation, Polychem SPC  | <br>  |

| 520.D | Water Reducing Admixtures             | (1/2/2020) Removed 3 products: 1) BASF Corporation, MasterSet Delvo 2) Sika Corporation, Sikament 610 3) Sika Corporation, Sika ViscoCrete-2100             | <br> |
|-------|---------------------------------------|---|------|
| 520.D | Water Reducing Admixtures             | (5/22/2019) Added 2 products:<br>1) General Resources Technology, Polychem 850 D<br>2) General Resources Technology, EVO 2500 D                             | <br> |
| 520.E | Retarding Admixtures                  | (8/4/2023) Product name change only:<br>MAPEI Corp., Mapetard R (f/k/a Polychem R)  | <br> |
| 520.E | Retarding Admixtures                  | (1/6/2021) Added product:<br>CHRYSO, Inc., CHRYSO ControlSet 65   | <br> |
| 520.E | Retarding Admixtures                  | (1/6/2021) Manufacturer name change:<br>Master Builders Solutions was BASF  | <br> |
| 520.E | Retarding Admixtures                  | (3/23/2020) Added (2) products:<br>1) Sika Corporation, Plastiment<br>2) MAPEI Corporation, Polychem R  | <br> |
| 520.E | Retarding Admixtures                  | (1/2/2020) Added product:<br>GCP Applied Technologies, ZYLA R   | <br> |
| 520.E | Retarding Admixtures                  | (1/2/2020) Removed product:<br>Sika Corporation, Plastiment   | <br> |
| 520.E | Retarding Admixtures                  | (5/22/2019) Added 2 products:  1) Fritz-Pak Corporation, Mini Delayed Set  2) Fritz-Pak Corporation, Standard Delayed Set                                   | <br> |
| 520.F | Water-Reducing, High Range Admixtures | (8/4/2023) Added 3 products: 1) Sika Corporation, Sika ViscoCrete-1100 2) Sika Corporation, Sika ViscoCrete-4100 3) The Euclid Chemical Company, Eucon X-15 | <br> |
| 520.F | Water-Reducing, High Range Admixtures | (8/4/2023) Removed 2 products:<br>1) MAPEI Corp., EVO 2500<br>2) MAPEI Corp., Melchem   | <br> |
| 520.F | Water-Reducing, High Range Admixtures | (8/4/2023) Product name changes only:  1) MAPEI Corp., Dynamon 850 (f/k/a Polychem 850)  2) MAPEI Corp., Mapefluid 441 (f/k/a Polychem 441)                 | <br> |
| 520.F | Water-Reducing, High Range Admixtures | (1/5/2023) Added 3 products: 1) CHRYSO Inc., CHRYSO Optima 249 2) CHRYSO Inc., CHRYSO Quad 842 3) Fritz-Pak Corporation, Supercizer 7                       | <br> |
| 520.F | Water-Reducing, High Range Admixtures | (7/20/2022)<br>Added product:<br>GCP Applied Technologies, Elara SP200  | <br> |

| 520.F | Water-Reducing, High Range Admixtures | (1/12/2022) Added 6 products:  1) MAPEI Corporation, Dynamon NRG 1092 Type F  2) MAPEI Corporation, Dynamon SX  3) MAPEI Corporation, Dynamon SX 37  4) MAPEI Corporation, Melchem  5) The Euclid Chemical Company, Plastol 6420  6) The Euclid Chemical Company, Plastol 6425 | <br>  |
|-------|---------------------------------------|--|---|
| 520.F | Water-Reducing, High Range Admixtures | (1/6/2021) Manufacturer name change:<br>Master Builders Solutions was BASF   | <br>  |
| 520.F | Water-Reducing, High Range Admixtures | (1/6/2021) Added product:<br>Sika Corporation, Sika ViscoCrete-2100  | <br>  |
| 520.F | Water-Reducing, High Range Admixtures | (3/23/2020) Added (4) products: 1) Sika Corporation, Sikament 610 2) MAPEI Corporation, Polychem 441 3) MAPEI Corporation, KB 1200 4) MAPEI Corporation, Polychem SPC  | <br>  |
| 520.F | Water-Reducing, High Range Admixtures | (1/2/2020) Removed 2 products:<br>1) Sika Corporation, Sikament 610<br>2) Sika Corporation, Sika ViscoCrete-2100   | <br>  |
| 520.F | Water-Reducing, High Range Admixtures | (5/22/2019) Added (3) products:  1) General Resources Technology, Polychem 850 F  2) General Resources Technology, EVO 2500 F  3) Fritz-Pak Corporation, Supercizer 5  | <br>  |
| 520.G | Corrosion Inhibitors                  | (1/6/2021) Manufacturer name change:<br>Master Builders Solutions was BASF   | <br>  |
| 520.G | Corrosion Inhibitors                  | (1/2/2020) Added product:<br>Euclid Chemical Co Eucon CIA  | <br>  |
| 520.H | Curing Compounds                      | (1/5/2023) Added product:<br>ChemMasters, Safe-Cure Clear DR   | <br>  |
| 520.H | Curing Compounds                      | (1/5/2023) Removed 4 products: 1) ChemMasters, Certi-Vex Enviocure White 500 2) ChemMasters, Certi-Vex Enviocure Clear 500 3) Dayton Superior Corp., Clear Resin Cure J11W 4) Kaufman Products, Inc., Thinfilm 420   | <br>  |
| 520.H | Curing Compounds                      | (4/14/2022) Added product:<br>W.R.Meadows, Inc. 1250-WHITE   | <br>  |
| 520.H | Curing Compounds                      | (1/12/2022) Added product:<br>W.R.Meadows, Inc. 1100 w/Red Fugitive Dye  | <br>  |
| 520.H | Curing Compounds                      | (1/6/2021) Manufacturer name change:<br>ChemMasters was Vexcon Chemicals   | <br>Notification letter from Manufacturer August 6, 2020 certifying name change only; formulation, etc. remain unchanged. |

| 520.H          | Curing Compounds   | (5/22/2019) Added 5 products: 1) SpecChem, PaveCure Rez 2) SpecChem, PaveCure Rez White 3) SpecChem, Harris Emulsion Konkure Clear 4) SpecChem, Harris Super White Konkure Emulsion 5) ChemMasters, Safe-Cure 2000 | <br>  |
|----------------|--|--|---|
| 520.K          | Bearing Strip (Rubber-Backed UHMV-PE)                                    | (1/2/2020) Manufacturer name change:<br>Mitsubishi Chemical Advanced Materials was Quadrant Plastics<br>(Tivar 1000 Rubber Backed)   | <br>Mitsubishi Chemical Advanced Materials sent certification letter stating all products have remained unchanged, according to contact 7/3/2019. |
| 526.A          | Epoxy For Non-Moving Cracks  | (1/5/2023) Added 2 products: 1) Dayton Superior, Pro-Poxy 100 2) Sika Corporation, Sikadur Crack Fix   | <br>  |
| 526.A          | Epoxy For Non-Moving Cracks  | (1/5/2023) Removed product:<br>Dayton Superior, Sure-Inject J-56   | <br>  |
| 526.C          | Epoxy Flood Coat Crack Sealer  | (1/2/2020) Added new product category.   | <br>  |
| 526.C          | Epoxy Flood Coat Crack Sealer  | (1/2/2020) Added product:<br>The Euclid Chemical Co., Dural 50 LM  | <br>  |
| 534.B<br>534.C | Silane/Siloxane<br>Silane/Siloxane - Cold Weather                        | (1/6/2021) Manufacturer name change:<br>ChemMasters was Vexcon Chemical  | <br>Notification letter from Manufacturer August 6, 2020 certifying name change only; formulation, etc. remain unchanged.                         |
| 538.E          | Hot Rubberized Asphalt (for use along curbline w/ heat-welded membrane ) | (4/12/2019) Added product:<br>Soprema, Colphene H  | <br>  |
| 538.1          | Moisture Meter (For Concrete Bridge Decks)                               | (1/2/2020) 7/8/2019 Tramex Concrete Encounter replaced with CME4, same product just newer version.   | <br>Received confirmation from the company it is newer version of the same product; the products have the same function.                          |
| 538.F          | Barrier Membrane, Heat Welded  | (4/12/2019) Added option of "Elastocol 500" Primer to Soprema's barrier membrane system.   | <br>Now lists option of "Antirock" or "Elastocol 500" primers.  |
| 538.G          | Barrier Membrane, Heat Welded-Machine<br>Method                          | (4/15/19) Added "500" to "Elastocol" primer.<br>(4/12/2019) Added option of "Elastocol 500" Primer to Soprema's<br>barrier membrane system.  | <br>Now lists option of "Antirock" or "Elastocol 500" primers.  |
| 544.A          | Synthetic Fiber Reinforcement  | (1/5/2023) Added 2 products: 1) The Euclid Chemical Company, TUF-STRAND MAXTEN 2) The Euclid Chemical Company, TUF-STRAND SF   | <br>  |
| 544.A          | Synthetic Fiber Reinforcement  | (4/14/2022) Added product: Master Builders Solutions f/k/a BASF, MasterFiber F 70  | <br>  |
| 544.A          | Synthetic Fiber Reinforcement  | (1/6/2021) Manufacturer name change:<br>Master Builders Solutions was BASF   | <br>  |
| 550.A          | Fast Setting Grouts For Anchor Bolts                                     | (4/14/2022) Added product:<br>SilPro LLC, SilProGrout 424  | <br>  |

| 559.A   | Asphaltic Plug Expansion Joint, Asphaltic Plug<br>Crack | (1/12/2022) Added system:<br>Crafco, Inc., Matrix 501 Asphaltic Plug Bridge Joint System w/ Matrix<br>501Mastic   | <br>                                       |
|---------|---|---|--|
| 593.ABC | Geotextiles   | (2/8/2023) Manufacturer name change:<br>Core & Main Geosynthetics was L & M Supply Company  | <br>                                       |
| 593.ABC | Geotextiles   | (1/5/2023) Added 2 products:<br>1) Anita Plastics Inc., ANITA-200W<br>2) Anita Plastics Inc., ANITA-315W  | <br>                                       |
| 593.ABC | Geotextiles   | (1/12/2022) Added product:<br>TenCate Geosynthetics Americas, Mirafi RS280i   | <br>                                       |
| 593.ABC | Geotextiles   | (1/12/2022) Removed product:<br>TenCate Geosynthetics Americas, Mirafi HP370  | <br>Failed QC requirement                  |
| 593.ABC | Geotextiles   | (1/6/2021) Removed 8 Product: 1) Thrace-LINQ, 140EX 2) Thrace-LINQ, 150EX 3) Thrace-LINQ, 160EX 4) Thrace-LINQ, 180EX 5) Thrace-LINQ, 350EX 6) Thrace-LINQ, GTF-250 7) Thrace-LINQ, GTF-300 8) Thrace-LINQ, GTF-500   | <br>Not compliant with NTPEP GTX Workplan. |
| 593.ABC | Geotextiles   | (3/23/2020) Added 7 Products: 1) US Fabrics, US 200 2) US Fabrics, US 205NW 3) US Fabrics, US 250 4) US Fabrics, US 120NW 5) US Fabrics, US 160NW 6) US Fabrics, US 315 7) US Fabrics, US 380NW   | <br>                                       |
| 593.ABC | Geotextiles   | (1/2/2020) Added 13 products: 1) Propex Operating Co., GeoTex 401 2) Propex Operating Co., GeoTex 501 3) Propex Operating Co., GeoTex 601 4) Skaps Industry, W180 5)TenCate Geosynthetics, HP 370 6) TenCate Geosynthetics, Mirafi 550X 7) Thrace-LINQ, 140EX 8) Thrace-LINQ, 150EX 9) Thrace-LINQ, 160EX 10) Thrace-LINQ, GTF250 12) Thrace-LINQ, GTF500 13) Willacoochee Ind. Products, WINFAB 315W | <br>                                       |

|                     |   | (1/2/2020) Removed 17 products:  1) Carthage Mills, FX-55  2) Crown Resources, R060  3) Crown Resources, R070  4) Crown Resources, R100  5) Crown Resources, R120  6) Crown Resources, R160  7) Hanes Geo Components, TerraTex GS                      |   |
|---------------------|---|--|---|
| 593.ABC             | Geotextiles   | 8) Propex Operating Co., GeoTex 200ST 9) US Fabrics, US200 10) US Fabrics, US230 11) US Fabrics, US230C 12) US Fabrics, US250 13) US Fabrics, US120NW 14) US Fabrics, US160NW 15) US Fabrics, US205NW 16) US Fabrics, US315 17) US Fabrics, US380NW    |   |
| 593.ABC             | Geotextiles   | (5/22/2019) Added (6) products: 1) Advanced Drainage Systems 104F 2) Advanced Drainage Systems, 200W 3) Advanced Drainage Systems, 315 W 4) Advanced Drainage Systems, 0451T 5) Advanced Drainage Systems, 0601T 6) Advanced Drainage Systems, 0801T   | <br>  |
| 604.A               | Fiber Reinforcement for Precast Drainage<br>Structures            | (1/6/2021) Manufacturer name change:<br>Master Builders Solutions was BASF   | <br>  |
| 606.A, B, C, D, & E | Synthetic Offset Blocks & Temporary Impact<br>Attenuation Devices | (7/20/2022) Manufacturer name change:<br>Valtir, LLC was Trinity Highway Products, LLC   | <br>  |
| 606.A               | Synthetic Offset Blocks   | (1/6/2021) Added 3 products: 1.) Trinity Highway Products, LLC, 8" King MASH16 Composite Block 2.) Mondo Polymers Technology, Inc., GB14SH1 - Composite 8" Guardrail Block 3.) Mondo Polymers Technology, Inc., GB14SH2 - Composite 8" Guardrail Block | <br>  |
| 606.A               | Synthetic Offset Blocks   | (1/6/2021)<br>Reinstated the 606.A QPL Category  | <br>Until FHWA approval of the Supplemental Specification   |
| 606.A               | Synthetic Offset Blocks   | (3/23/2020)<br>Removed this category.  | <br>Per Highway Design Bureau: The Supplemental Specification will specify what is required so it will not refer to the QPL for products. |
| 606.A               | Synthetic Offset Blocks   | (1/2/2020) Removed product:<br>Monroeville Industrial Molding, Inc., P-Block Series  | <br>Company no longer exists, per company contact 7/2/19.   |
| 606.B, C, D, & E    | Temporary Impact Attenuation Devices                              | (3/23/2020) Added "*" and "**" to each QPL-listed product to indicate its specific Federal compliance (MASH 2016 or NCHRP 350).  | <br>  |

| 606.B | Temporary Impact Attenuation Device<br>(Redirective) Test Level 2       | (3/23/2020) Added 4 products: 1.) Barrier Systems, Inc Universal TAU-M 2.) Trinity Highway Products, LLC, Quadguard Elite 3.) Trinity Highway Products, LLC, Quadguard M-10 4.) Trinity Highway Products, LLC, Quadguard II  | <br>   |
|-------|---|--|--|
| 606.B | Temporary Impact Attenuation Device<br>(Redirective) Test Level 2       | (3/23/2020) Removed 3 products: 1.) Trinity Highway Products, LLC, WideTRACC 2.) Trinity Highway Products, LLC, FasTRACC 3.) Work Area Protection Corp., SCI 100 GM  | <br>Letters on file for these three systems are for TL3. |
| 606.C | Temporary Impact Attenuation Device<br>(Redirective) Test Level 3       | (8/4/2023) Added System:<br>Valtir, LLC f/k/a Trinity Highway Products, LLC, MATT  | <br>   |
| 606.C | Temporary Impact Attenuation Device<br>(Redirective) Test Level 3       | (4/14/2022) Added System:<br>Trinity Highway Products, LLC, REACT M  | <br>   |
| 606.C | Temporary Impact Attenuation Device<br>(Redirective) Test Level 3       | (1/12/2022) Added System:<br>TrafFix Devices, Inc., Delta Crash Cushion  | <br>   |
| 606.C | Temporary Impact Attenuation Device<br>(Redirective) Test Level 3       | (1/6/2021) Added 3 systems: 1.) Trinity Highway Products, LLC, QuadGuard Elite M10 (24") 2.) Trinity Highway Products, LLC, QuadGuard Elite M10 Wide (69") 3.) Trinity Highway Products, LLC, QuadGuard M Wide (69")   | <br>   |
| 606.C | Temporary Impact Attenuation Device<br>(Redirective) Test Level 3       | (3/23/2020) Added 6 products: 1.) Barrier Systems, Inc., Universal TAU-M 2.) Industry AMS s.r.l., Hercules Crash Cushion 3.)Trinity Highway Products, LLC, Quadguard Elite 4.) Trinity Highway Products, LLC, Quadguard HS 5.) Trinity Highway Products, LLC, Quadguard M-10 6.) Trinity Highway Products, LLC, Quadguard II | <br>   |
| 606.C | Temporary Impact Attenuation Device<br>(Redirective) Test Level 3       | (3/23/2020) Removed product:<br>Trinity Highway Products, LLC, ShorTRACC   | <br>This system is not TL3.                              |
| 606.E | Temporary Impact Attenuation Device (Non-<br>Redirective), Test Level 3 | (1/12/2022) Added product:<br>Trinity Highway Products, LLC, Energite III  | <br>   |
| 606.E | Temporary Impact Attenuation Device (Non-<br>Redirective), Test Level 3 | (3/23/2020) Added note to both categories: - "NCHRP 350 compliant attenuation devices not listed here but which meet Department specifications may be used if approved the Engineer."  | <br>   |
| 606.E | Temporary Impact Attenuation Device (Non-<br>Redirective), Test Level 3 | (3/23/2020) Added 2 products: 1.) Plastic Safety Systems, Inc., CrashGard 2.) TrafFix Devices, Inc., Big Sandy MASH  | <br>   |
| 606.D | Temporary Impact Attenuation Device (Non-<br>Redirective), Test Level 2 | (3/23/2020) Added note to both categories: - "NCHRP 350 compliant attenuation devices not listed here that meet Department specifications may be used if approved the Engineer."   | <br>   |

| 609.A | Non-Shrink, Non-Metallic Grout (Cement<br>Mortar for Bedding Curb; Bridge) | (4/14/2022) Removed expiration date field in this category.   | <br>Qualification Criteria does not support cyclical testing at this time. |
|-------|--|---|--|
| 609.A | Non-Shrink, Non-Metallic Grout (Cement Mortar<br>for Bedding Curb; Bridge) | (4/14/2022) Added product:<br>SilPro LLC, SilProGrout 424   | <br>   |
| 619.A | Temporary Raised Pavement Markers  | (5/27/2021) Added 3 products: 1.) Pexco Davidson Traffic Control Products, TRPM Chip Seal Marker 2.) Pexco Davidson Traffic Control Products, Super Tom 3.) Pexco Davidson Chip Seal Marker, Super TRPM | <br>   |
| 632.C | Preformed Retroreflective Tape, Level I                                    | (1/6/2021) Added product:<br>3M, Stamark High Performance Tape Series 380AW - Yellow (381AW)  |  |
| 645.K | Temporary Slope Matting Type B (Wildlife Friendly)                         | (8/4/2023) Added product:<br>North American Green, S75BN  | <br>   |
| 645.K | Temporary Slope Matting Type B (Wildlife<br>Friendly)                      | (4/14/2022) Added product:<br>American Excelsior Company, Curlex NetFree  | <br>   |
| 645.K | Temporary Slope Matting Type B (Wildlife<br>Friendly)                      | (4/14/2022) Added 3 products: Erosion Tech, ETSC-7030-BN Erosion Tech, ETRS-1-BN Erosion Tech, ETRS-2-BN  | <br>   |
| 645.K | Temporary Slope Matting Type B (Wildlife<br>Friendly)                      | (3/23/2020) Added product: American Excelsior Company, AEC Premier Straw FibreNet Single Net  | <br>   |
| 645.K | Temporary Slope Matting Type B (Wildlife<br>Friendly)                      | (5/22/2019) Added 2 products:  1) American Excelsior Company, Curlex I FibreNet 2) American Excelsior Company, Curlex II FibreNet   | <br>   |
| 645.M | Temporary Slope Matting Type D (Wildlife<br>Friendly)                      | (1/5/2023) Removed product:<br>Erosion Tech, ETX-2-HVBN   | <br>   |
| 645.M | Temporary Slope Matting Type D (Wildlife<br>Friendly)                      | (7/20/2022) Removed 2 products:<br>1) American Excelsior Company, Curlex NetFree<br>2) Western Excelsior, SR 1-All Natural  | <br>Products do not meet current specification requirements.               |
| 645.M | Temporary Slope Matting Type D (Wildlife<br>Friendly)                      | (4/14/2022) Added product:<br>American Excelsior Company, Curlex NetFree  | <br>   |
| 645.M | Temporary Slope Matting Type D (Wildlife Friendly)                         | (4/14/2022) Added product:<br>Erosion Tech, ETSC-7030-BN  | <br>   |
| 645.M | Temporary Slope Matting Type D (Wildlife<br>Friendly)                      | (1/12/2022) Added 2 products:<br>1) Erosion Tech, ETRS-2-BN<br>2) Erosion Tech, ETX-2-HVBN  | <br>   |
| 645.M | Temporary Slope Matting Type D (Wildlife<br>Friendly)                      | (3/23/2020) Removed product:<br>Erosion Control Blanket, S31BD  | <br>   |

| 645.M | Temporary Slope Matting Type D (Wildlife<br>Friendly)   | (5/22/2019) Added 2 products:  1) American Excelsior Company, Curlex I FibreNet 2) American Excelsior Company, Curlex II FibreNet  | <br>  |
|-------|---|--|---|
| 645.N | Permanent Channel Matting Type A                        | 1/5/2023) Removed product:<br>East Coast Erosion Blankets, T-RECS  | <br>  |
| 645.N | Permanent Channel Matting Type A                        | (1/6/2021) Added product:<br>American Excelsior Company, TriNet Recyclex   | <br>  |
| 645.N | Permanent Channel Matting Type A                        | (5/22/2019) Added product:<br>East Coast Erosion Blankets, T-RECS  | <br>  |
| 645.P | Bonded Fiber Matrix                                     | (1/5/2023) Manufacturer name change:<br>Profile Products LLC was HydroStraw, LLC (HydroStraw Bonded Fiber<br>Matrix)   | <br>  |
| 645.P | Bonded Fiber Matrix                                     | (1/6/2020) Removed 4 products:  1) Profile Products, LLC, EcoAegis  2) Profile Products, LLC, Hydro-Blanket BFM  3) GeoEnviromental/Profile Products LLC, GeoPerm BFM  4) GeoEnviromental/Profile Products LLC, GeoMatrix SS | <br>No test data rec'd. for review as required. |
| 645.Q | Fiber Reinforced Matrix                                 | (1/5/2023) Removed product:<br>North American Green, Hydra CX2   | <br>  |
| 645.Q | Fiber Reinforced Matrix                                 | (1/6/2021) Removed product:<br>Profile Products, LLC, COCO Flex ET-FGM   | <br>No test data rec'd. for review as required. |
| 645.R | Stabilized Mulch Matrix                                 | (1/6/2021) Removed 2 products: 1) Profile Products, LLC, Terra Matrix SMM 2) GeoEnviromental/Profile Products LLC, GeoMatrix II  | <br>No test data rec'd. for review as required. |
| 645.S | Temporary Channel Matting Type A (Wildlife<br>Friendly) | (7/20/2022) Added product:<br>Erosion Tech, ETSC-7030-BN   | <br>  |
| 645.S | Temporary Channel Matting Type A (Wildlife<br>Friendly) | (5/27/2021) Added product:<br>American Excelsior Company, Curlex III FibreNet  | <br>  |
| 645.S | Temporary Channel Matting Type A (Wildlife<br>Friendly) | (1/6/2021) Removed product:<br>Hanes Geo Components, Coirmat 780   | <br>No test data rec'd. for review as required. |
| 645.S | Temporary Channel Matting Type A (Wildlife<br>Friendly) | (5/22/2019) Added product:<br>American Excelsior Company, Curlex II FibreNet   | <br>  |
| 645.T | Temporary Channel Matting Type B                        | (5/27/2021) Added 2 products:  1) American Excelsior Company, Curlex High Velocity FibreNet 2) American Excelsior Company, Curlex III FibreNet   | <br>  |
| 645.T | Temporary Channel Matting Type B                        | (1/6/2021) Removed product:<br>Hanes Geo Components, Coirmat 780   | <br>No test data rec'd. for review as required. |
| 718.C | Retroreflective Sheeting Type IV                        | (1/12/2022) Added Series:<br>Nippon Carbide Industries, Nikkalite Crystal Grade 94000  | <br>  |

| 718.C       | Retroreflective Sheeting Type IV                               | (1/6/2021) Removed Series:<br>Nippon Carbide Industries, Nikkalite Crystal Grade 94000                               |              | Pending nForm (online) submittal as required.                          |
|-------------|--|--|--------------|--|
| 718.D       | Retroreflective Sheeting Type VIII                             | (1/5/2023) Removed Color (Blue):<br>3M, 3M Prismatic Reflective Sheeting Series 3945 (Blue)                          |              |  |
| 718.D       | Retroreflective Sheeting Type VIII                             | (1/6/2021) Removed Series:<br>Nippon Carbide Industries, Nikkalite Crystal Grade Reflective<br>Sheeting 92000 Series |              | Pending nForm (online) submittal as required.                          |
| 718.E       | Retroreflective Sheeting Type IX                               | (1/6/2021) Removed Series:<br>Avery Dennison, T9500 Series   |              | Manufacturer withdrew product from this category.                      |
| 718.C,D,E,H | Retroreflective Sheeting, Type IV, Type VIII, Type IX, Type XI | (5/22/2019) Expiration dates set to 1/1/2021.  | QC revision. | Lab testing rotation requirement is synced to product expiration date. |
| 718.G       | Overlay Film   | (5/22/2019) Expiration dates set to 1/1/2021.  | QC revision. | Lab testing rotation requirement is synced to product expiration date. |
|             | Retroreflective Sheeting Type XI                               | (8/4/2023) Added Series:   |              |  |